



JP63005997 Biblio



BLANKET FOR OFFSET PRINTING

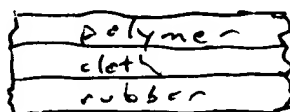
Patent Number: JP63005997
Publication date: 1988-01-11
Inventor(s): IKEDA NORIMASA; others: 01
Applicant(s): TORAY IND INC
Requested Patent: JP63005997
Application Number: JP19860149587 19860627
Priority Number(s):
IPC Classification: B41N9/02
EC Classification:
Equivalents:

Abstract

PURPOSE: To obtain a blanket for offset printing which is excellent in ink transfer properties and durability, by providing a polymer layer of which the degree of swelling with a hydrocarbon ink solvent having a boiling point in a specified temperature range and the Shore A hardness are in respectively specified ranges, in a specified thickness on the surface of a substrate.

CONSTITUTION: A polymer layer of which the degree of swelling with a hydrocarbon ink solvent having a boiling point of 240-350 deg.C is 1-10wt% and the Shore A hardness is 60-95 deg. is provided in a thickness of 2-500µm on the surface of a substrate to obtain a blanket for offset printing. The substrate may be a blanket comprising an ordinary combination of a cloth and a rubber, a plastic film or sheet, a sheet of an elastic material such as a rubber, a plate of a metal such as aluminum, a combination thereof or a material obtained therefrom by a surface treatment, or the like. The polymer may be a polyurethane, a vinyl chloride polymer, a vinyl acetate polymer or the like, which is so selected as to fulfill the conditions concerning the degree of swelling and hardness.

Data supplied from the esp@cenet database - I2



DERWENT-ACC-NO: 1988-047291

DERWENT-WEEK: 198807

COPYRIGHT 1999 DERWENT INFORMATION LTD

TITLE: Blanket for offset printing - contains polymer layer
having specified hardness which swells in
hydrocarbon-based ink solvent

PATENT-ASSIGNEE: TORAY IND INC[TORA]

PRIORITY-DATA: 1986JP-0149587 (June 27, 1986)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 63005997 A	January 11, 1988	N/A	005	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 63005997A	N/A	1986JP-0149587	June 27, 1986

INT-CL (IPC): B41N009/02

ABSTRACTED-PUB-NO: JP 63005997A

BASIC-ABSTRACT:

Blanket contains on the base material surface, a 2-500 micro m-thick polymer layer with Shore A hardness of 60-90 deg. which is capable of swelling by 1-10 wt.% in hydrocarbon-based ink solvent having a b.pt. of 240-350 deg. C.

The base material used is a blanket comprising textile fabric and rubber, plastic film, elastomer sheet or metal plate, etc. The polymer layer is formed with polyurethane, PVC, polyvinyl acetate, or (co)polymer of acrylonitrile, butadiene, styrene, ethylene, chloroprene, epoxy monomer, etc. The polymer swells by 1-10 wt.% when immersed in the solvent at room temp. for 24 hours. Good fitting to the paper surface and trouble-free releasing from the printed paper are obtd. when the Shore A hardness of the polymer layer is 60-95 deg.

ADVANTAGE - Durability of the blanket is improved without affecting ink-transfer characteristics, paper-release behaviour, lustre of the printed prods., etc. Deposition of paper powder or/and spray powder on the blanket surface is minimised.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: BLANKET OFFSET PRINT CONTAIN POLYMER LAYER
SPECIFIED HARD SWELLING
HYDROCARBON BASED INK SOLVENT

DERWENT-CLASS: A97 G05 P75

CPI-CODES: A12-W07F; G05-F;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0009 0231 2513 2522 3248 2575 2622 2654 3253 2718 3269 2723 2726
2728 2814 1294 0209 0759 0787 0374 0375 1093 1094 0304 0305 0239 0240 1107 1108
0013 1279 1581 1582

Multipunch Codes: 014 032 04- 150 435 440 443 47& 477 50& 502 532 533 534 537
55& 551 560 561 575 59& 596 597 600 659 720 014 032 04- 061 062 063 435 440 443
47& 477 50& 502 532 533 534 537 55& 551 560 561 575 59& 596 597 600 659 688 720
014 032 04- 066 067 435 440 443 47& 477 50& 502 532 533 534 537 55& 551 560 561
575 59& 596 597 600 659 688 720 014 032 034 04- 072 074 076 435 440 443 47& 477
50& 502 532 533 534 537 55& 551 560 561 575 59& 596 597 600 659 688 720 014 032
034 04- 117 122 435 440 443 47& 477 50& 502 532 533 534 537 55& 551 560 561 575
59& 596 597 600 659 688 720 014 032 034 04- 055 056 435 440 443 47& 477 50& 502
532 533 534 537 55& 551 560 561 575 59& 596 597 600 659 688 720 014 032 034 04-
041 046 047 435 440 443 47& 477 50& 502 532 533 534 537 55& 551 560 561 575 59&
596 597 600 659 688 720 014 032 034 04- 062 063 117 124 435 440 443 47& 477 50&
502 532 533 534 537 55& 551 560 561 575 59& 596 597 600 659 688 720 014 028 032
034 04- 147 336 435 440 443 47& 477 50& 502 532 533 534 537 55& 551 560 561 575
59& 596 597 600 659 688 720

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1988-021166

Non-CPI Secondary Accession Numbers: N1988-035683